Progress (100%)

Item 1/20

What is the output of the following snippet?

```
a = 1
b = 0
c = a & b
d = a | b
e = a ^ b
print(c + d + e)
```

● 2

○ 0

○ 3

○ 1

Next →

Retake Test   **Back to Summary**

Progress (100%)

Item 2/20

What is the output of the following snippet?

```
lst = [1, 2, 3]
for v in range(len(lst)):
    lst.insert(1, lst[v])
print(lst)
```
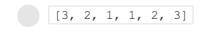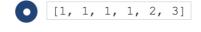
○ [3, 2, 1, 1, 2, 3]

◉ [1, 1, 1, 1, 2, 3]

○ [1, 2, 3, 3, 2, 1]

○ [1, 2, 3, 1, 2, 3]

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 3/20

The value eventually assigned to x is equal to:

```
x = 1
x = x == x
```

○ 1

○ False

◉ True

○ 0

← Prev   Next →

Retake Test   Back to Summary
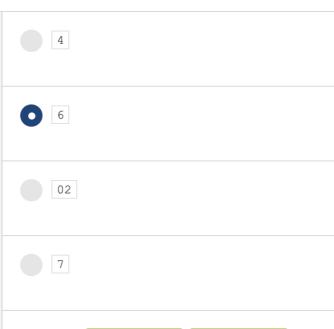
Progress (100%)

Item 4/20

What is the output of the following snippet?

```
t = [[3-i for i in range (3)] for j in ran
s = 0
for i in range(3):
    s += t[i][i]
print(s)
```

- ( ) 4
- (●) 6
- ( ) 02
- ( ) 7

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 5/20

The second assignment:

```
vals = [0, 1, 2]
vals[0], vals[2] = vals[2], vals[0]
```

○ shortens the list

○ doesn't change the list

○ extends the list

● reverses the list

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 6/20

What is the output of the following snippet?

```
lst = [3, 1, -2]
print(lst[lst[-1]])
```

○ 1

○ 3

○ -2

○ -1

← Prev   Next →

Retake Test   Back to Summary

Item 7/20

What is the output of the following snippet?

```
lst1 = [1, 2, 3]
lst2 = []
for v in lst1:
    lst2.insert(0, v)
print(lst2)
```

○ [1, 2, 3]

○ [3, 3, 3]

◉ [3, 2, 1]

○ [1, 1, 1]

← Prev   Next →

Retake Test   Back to Summary

Item 8/20

What is the output of the following snippet?

```
lst = [[0, 1, 2, 3] for i in range(2)]
print(lst[2][0])
```

- ○ 2
- ● the snippet will cause a runtime error
- ○ 1
- ○ 0

← Prev   Next →

Retake Test   Back to Summary

PYTHON INSTITUTE
Open Education & Development Group

Progress (100%)

Item 9/20

Take a look at the snippet, and choose the true statement:

```
nums = [1, 2, 3]
vals = nums
del vals[1:2]
```

○ `nums` and `vals` are of the same length

○ the snippet will cause a runtime error

○ `vals` is longer than `nums`

○ `nums` is longer than `vals`

← Prev   **Next →**

Retake Test   **Back to Summary**

How many stars (*) will the following snippet send to the console?

```
i = 0
while i <= 5 :
    i += 1
    if i % 2 == 0:
        break
    print("*")
```

- ● one
- ○ three
- ○ zero
- ○ two

← Prev   Next →

Retake Test   Back to Summary

Item 11/20

How many elements does the `lst` list contain?

```
lst = [i for i in range(-1, 2)]
```

- ○ one
- ○ two
- ○ four
- ● three

← Prev   Next →

Retake Test   Back to Summary

Item 12/20

How many hashes (#) will the following snippet send to the console?

```
var = 1
while var < 10:
    print("#")
    var = var << 1
```

- ( ) eight
- (●) four
- ( ) one
- ( ) two

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 13/20

What value will be assigned to the `x` variable?

```
z = 10
y = 0
x = y < z and z > y or y > z and z < y
```

○ False

○ 0

● True

○ 1

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 14/20

What is the output of the following snippet?

```
lst = [1, 2, 3, 4]
print(lst[-3:-2])
```

- ⦿ [2]
- ○ [2, 3]
- ○ []
- ○ [2, 3, 4]

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 15/20

How many hashes (#) will the following snippet send to the console?

```
for i in range(1):
    print("#")
else:
    print("#")
```

- zero
- three
- ● two
- one

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 16/20

How many hashes (#) will the following snippet send to the console?

```
var = 0
while var < 6:
    var += 1
    if var % 2 == 0:
        continue
    print("#")
```

- ○ one
- ○ two
- ● three
- ○ zero

← Prev   Next →

Retake Test   Back to Summary

PYTHON INSTITUTE
Open Education & Development Group

Progress (100%)

Item 17/20

How many stars (*) will the following snippet send to the console?

```
i = 0
while i <= 3 :
    i += 2
    print("*")
```

- ● two
- ○ one
- ○ three
- ○ zero

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 18/20

Which of the following sentences is true?

```
nums = [1, 2, 3]
vals = nums[-1:-2]
```

○ `vals` is longer than `nums`

● `nums` is longer than `vals`

○ the snippet will cause a runtime error

○ `nums` and `vals` are of the same length

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

☰ Item 19/20

An operator able to check whether two values are equal is coded as:

○ `=`

○ `===`

○ `!=`

◉ `==`

← Prev   Next →

Retake Test   Back to Summary

Progress (100%)

Item 20/20

After execution of the following snippet, the sum of all `vals` elements will be equal to:

```
vals = [0, 1, 2]
vals.insert(0, 1)
del vals[1]
```

- ● 4
- ○ 3
- ○ 5
- ○ 2

← **Prev**

Retake Test   **Back to Summary**